**Kitchener Building Division**

**Carport Example Drawing**

**Date:** January 2011

**Scale:** N.T.S.

**Drawing No.:** 9-8

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**Carport Section**

- **Existing Wall to Remain**
- **Overall Dimension**
- **Line of Roof Above**
- **Overall Dimension to Centre of Post**
- **Beam Size**
- **Beam Size**
- **Beam Size**
- **Beam Span**
- **Beam Span**
- **Beam Span**

**Carport Plan**

- **Framing Spans**
  - Ceiling Joists: 12" o.c., 16" o.c., 24" o.c.
  - Roof Joists: 12" o.c., 16" o.c., 24" o.c.
  - Roof Rafters: 12" o.c., 16" o.c., 24" o.c.

<table>
<thead>
<tr>
<th>Joist Size</th>
<th>12&quot; o.c.</th>
<th>16&quot; o.c.</th>
<th>24&quot; o.c.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 X 4</td>
<td>10'-2&quot;</td>
<td>9'-4&quot;</td>
<td>8'-1&quot;</td>
</tr>
<tr>
<td>2 X 6</td>
<td>16'-1&quot;</td>
<td>14'-7&quot;</td>
<td>12'-9&quot;</td>
</tr>
<tr>
<td>2 X 8</td>
<td>21'-2&quot;</td>
<td>19'-2&quot;</td>
<td>16'-9&quot;</td>
</tr>
<tr>
<td>2 X 10</td>
<td>27'-0&quot;</td>
<td>24'-6&quot;</td>
<td>21'-5&quot;</td>
</tr>
<tr>
<td>2 X 12</td>
<td>32'-10&quot;</td>
<td>29'-10&quot;</td>
<td>26'-0&quot;</td>
</tr>
</tbody>
</table>

**Footing Size Table**

- Post Supported Weight: 40 pounds per square foot

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Max Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot; Ø</td>
<td>1047 lbs</td>
</tr>
<tr>
<td>10&quot; Ø</td>
<td>1635 lbs</td>
</tr>
<tr>
<td>12&quot; Ø</td>
<td>2355 lbs</td>
</tr>
<tr>
<td>14&quot; Ø</td>
<td>3207 lbs</td>
</tr>
<tr>
<td>16&quot; Ø</td>
<td>4189 lbs</td>
</tr>
</tbody>
</table>

**Supported Roof Area**

- See Footing Size Table

**Ridgeboard Fastened to Building Structure**

- Do not fasten to brick facade, with 3/8" Ø lag bolts @ 16" o.c. staggered

**Line of Roof Above**

**Overall Dimension**

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